Installation Master Planning

An Overview of the Army's Master Planning Process

Public Works Management Orientation

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

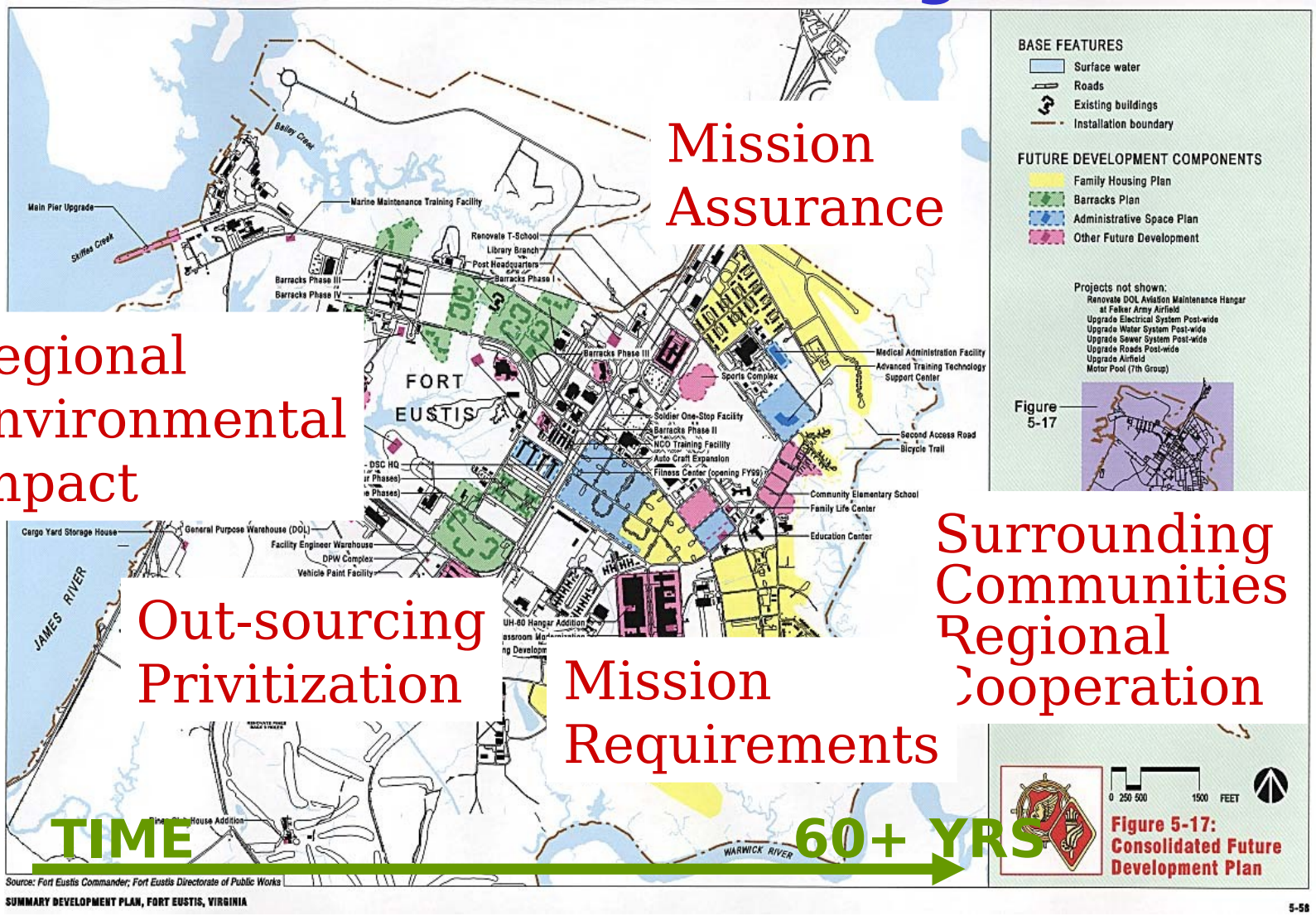
Purpose of Presentation

- Provide an overview of describing Master Planning why is it required in managing installations
- Demonstrate how the Master Plan is a keystone document to installation management.
- Identify installation roles and responsibilities for Master Planning
- Identify Army Planning Tools and support resources that help installations improve planning effectiveness
- Identify major installation planning initiatives and how the Master Planning process support these efforts.

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

INSTALLATION MASTER PLANNING OVERVIEW

Installation Challenge



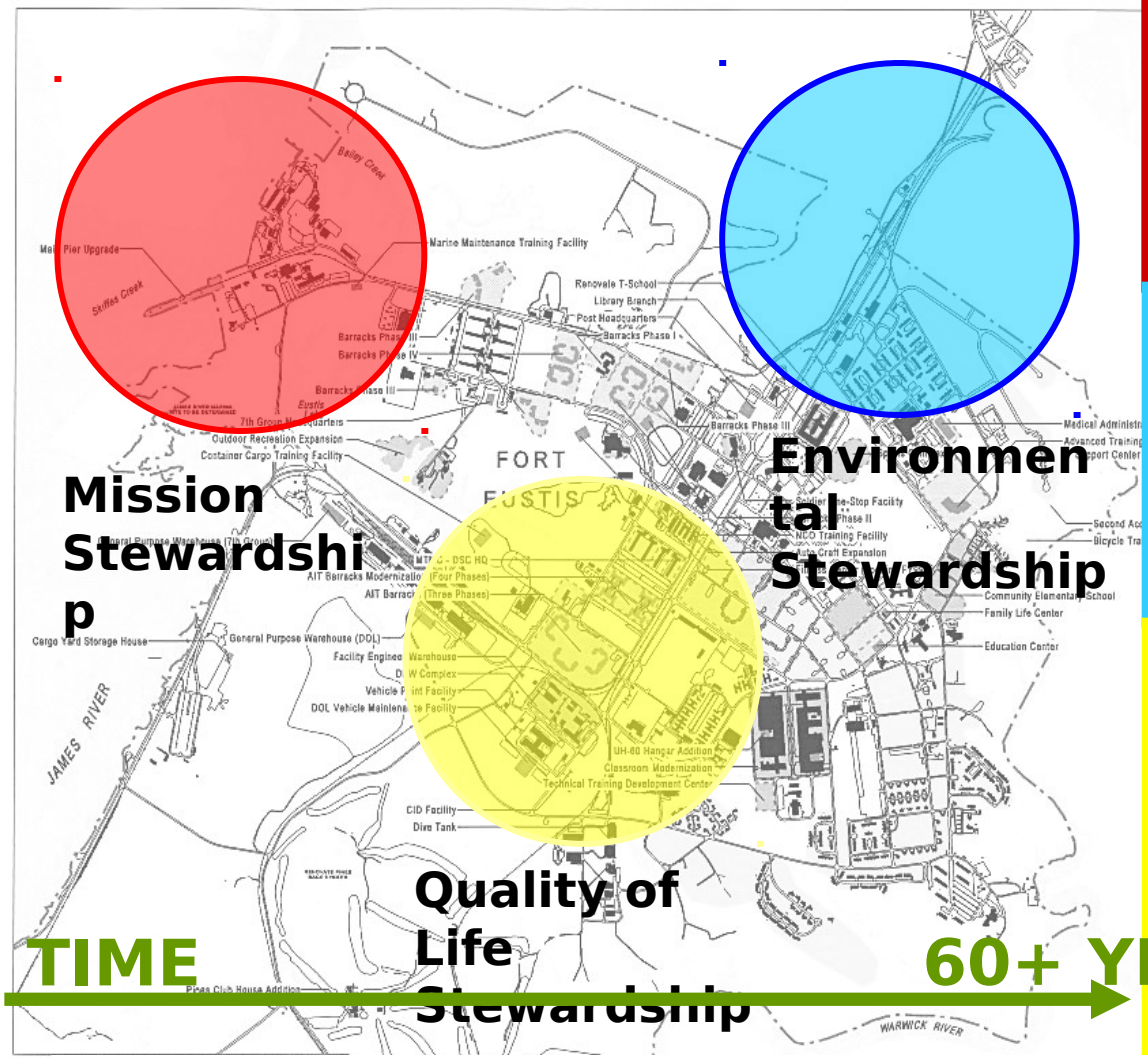
Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

Garrison Commander's Role: "The Installation Steward"

Stewardship…. the conducting, supervising or managing of something…especially: the careful and responsible management of something **entrusted to one's care**…

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

Garrison Commander's Role:



Mission Steward
- ✓Mission Requiremer
- ✓Range & Training La
- ✓Mission Assurance

Environmental Stewardship
- ✓Natural/ /Cultural M
- ✓Environmental Mgt
- ✓Noise
- ✓Sustainability

Quality of Life Stewardship
- ✓Soldier, Civilians an
- ✓Dependents
- ✓Working Environme
- ✓Transportation
- ✓Recreation
- ✓Surrounding Commu

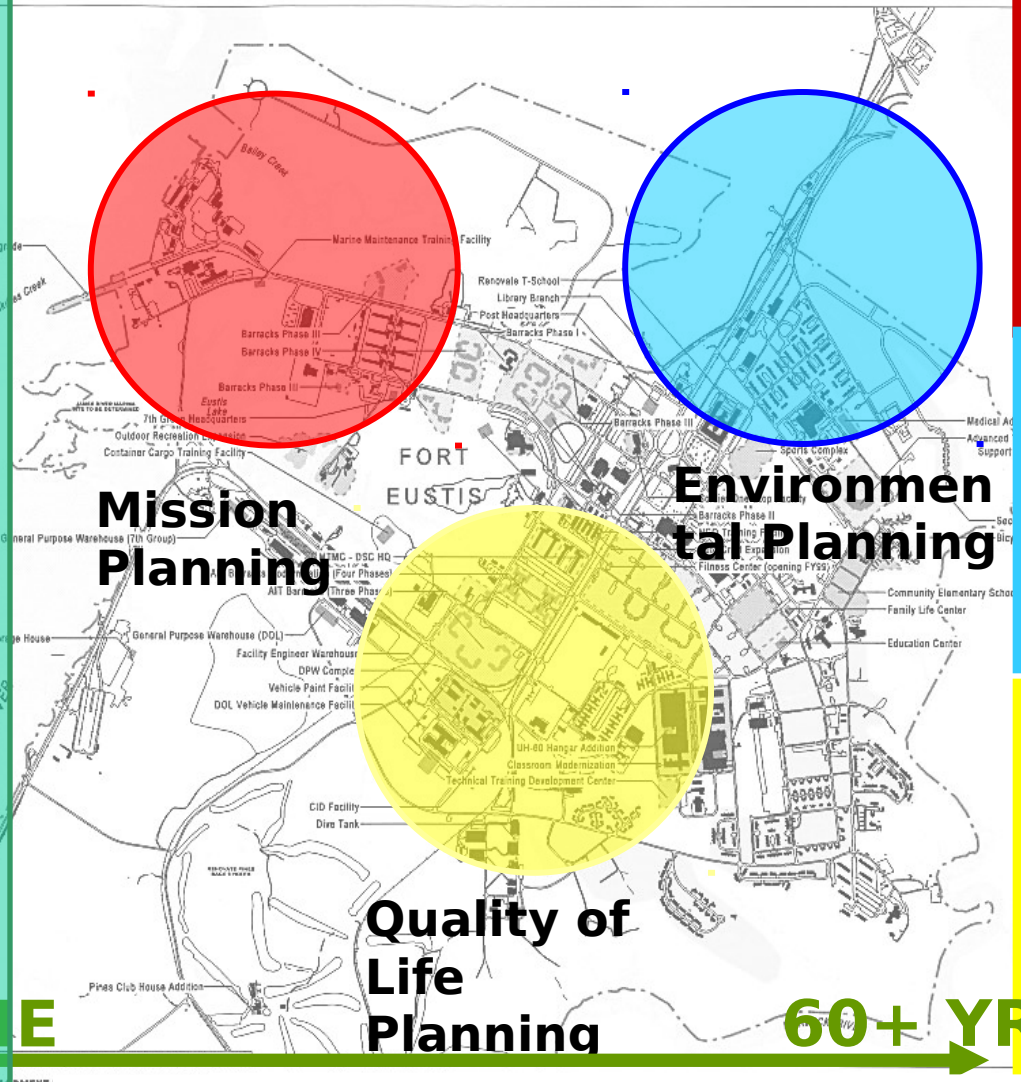
Source:
SUMMA

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

INSTALLATION MASTER PLANNING OVERVIEW

1. Define Vision and Purpose
2. Establishing Goals & Objectives
3. Inventorying Existing
4. Describe Mission Demographi
5. Define Requirements
6. Develop alternatives/ Identify constraints
7. Take Action

Installation Planning



Mission Planning
- ✓Mission Requirement
- ✓Sustainable Range Pg
- ✓Crit. Infra. Protection AT/FP Planning
- ✓Communication
- ✓Infrastructure Planni

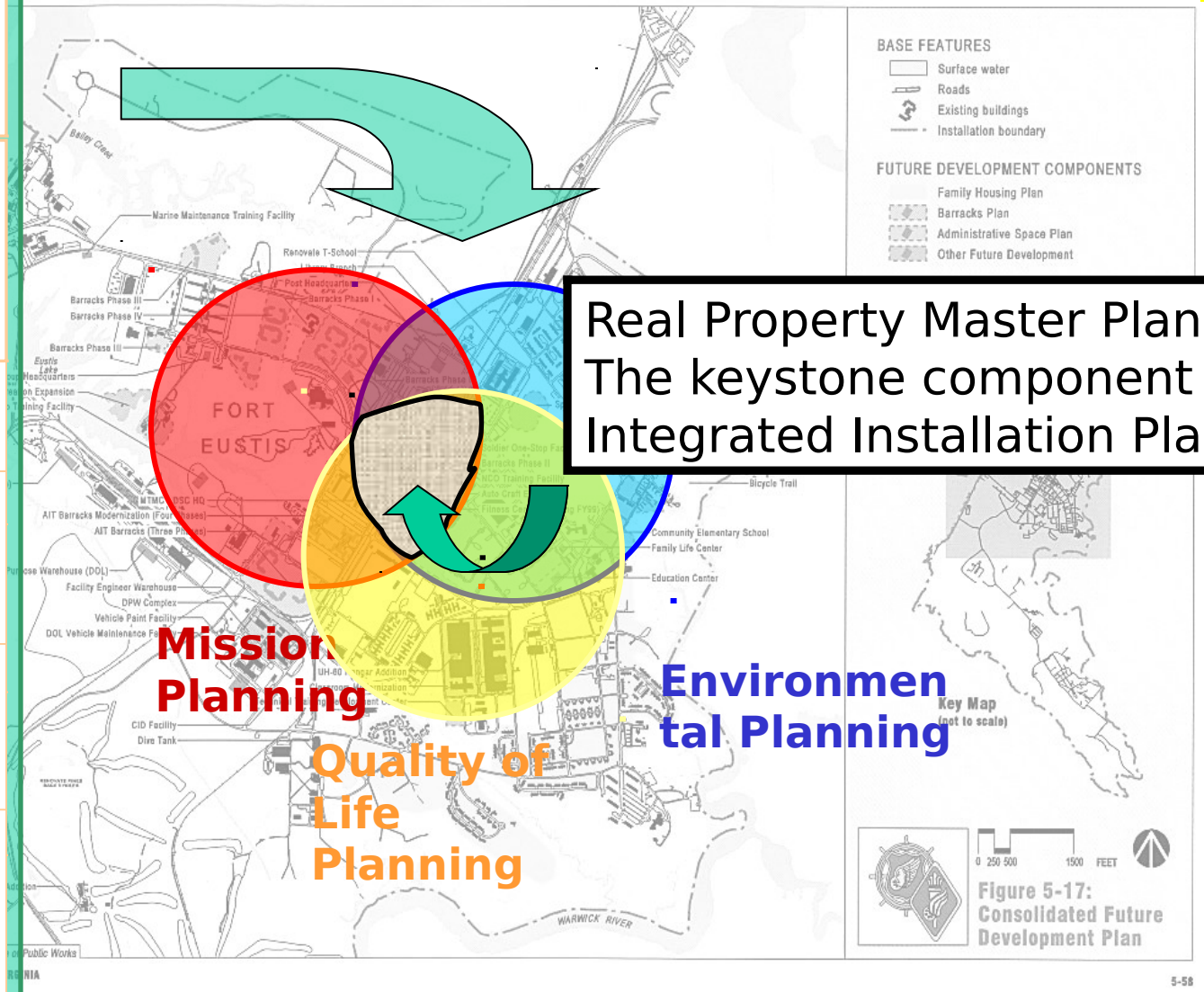
Environmental Planning
- Environmental Mgt Pla
- Natural/Cultural Resou
- Noise Management
- ISO 14001 implementa

Quality of Life Stewardship
- ✓Unaccompanied/ Fam Housing Planning
- ✓MWR Strategic Actio
- ✓Recreation Planning
- ✓Transportation Planni
- ✓Surrounding Commu
- ng Initiatives

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

INSTALLATION MASTER PLANNING OVERVIEW

1. **Define Vision and Purpose**
2. Establishing Goals & Objectives
3. Inventorying Existing
4. Describe Mission Demographi
5. Define Requirements
6. Develop alternatives/ Identify constraints
7. Take Action



Real Property Master Planning
The keystone component to Integrated Installation Planning

rewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

Garrison Commander's Role: "The Installation Steward"

Stewardship…. the conducting, supervising or managing of something…especially: the careful and responsible management of something **entrusted to one's care**…

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

Concept of Operation -VISION

- ***Defined*:**
  - ***The unusual capability in discernment or perception: intelligent foresight***. *(Source: MerriamWebster's Dictionary, 2003.)*

- ***Visioning*:**
  - ***The act or power in which one sees or conceives of something***. *(Source: MerriamWebster's Dictionary, 2003.)*

Considerations in Master Planning

- VISION
  - Meshing of installations missions and community func
  - Visual Image
  - Sense of "Home"
- Sustainability
  - 67 year decisions
  - Renewable vs. depletion of resources
  - Cost of doing it vs. not doing it
- AT/FP – Critical Infrastructure

What Does Vision Look Like?

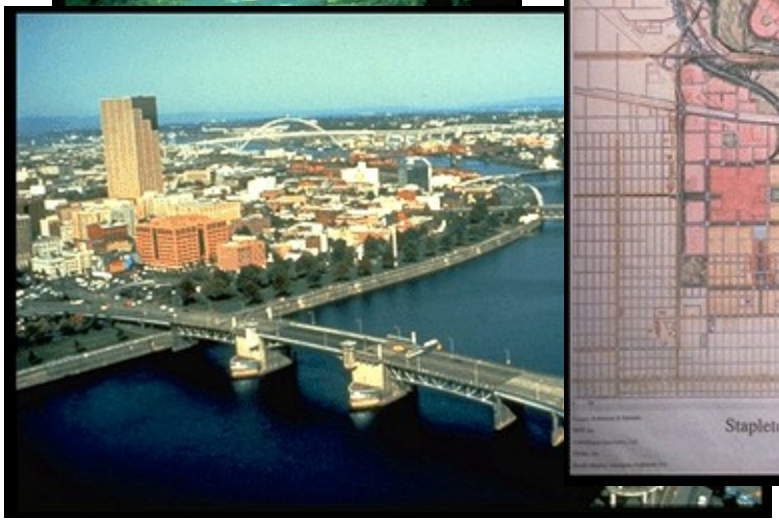
"For those who believe that planning always fails, and to curb the impatience of others who expect planners to solve problems 'right now', good planning sometimes takes time to bear fruit. This is so that the long-term quality and livability/workability of communities are not left to chance."

Gene Bunnell, AICP, Author – Making Places Special

What Is Vision?

" Do I think architects, planners and preservationists can change the world? Yes, I do. You can design communities and an culture, and not just buildings and spaces."

Robert A. Peck, esq., Hon. AIA, Architecture DC Magazine, Winter 2003



What Does Vision Look Like?

"Managing and sustaining the development, operations, and missions of our installations will be impossible without adequate planning, and adequate planning takes VISION"

Tracy P. Wilson, HQUSACE, 2003

What Does Army Vision Look ON

AR 210-20

- **Anchored on Public Laws and Regulations**
- **Connects to How the Army Runs**
- **Integrated with Army Long-Range Plans**
- **Establishes Approval Responsibilities**
- **All Installations and Communities must have RPMP**
- **Master Planning Instructions is “How To” Supplement**

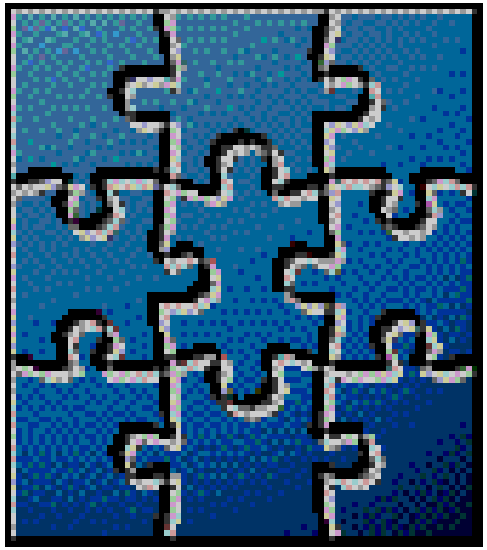
Master Planning regulation being updated.

INSTALLATION PLANNING DOCUMENTS

Integrated Natural Resources Management Plan

Installation Management Action Plan

Range & Training La Master Plan



Information Systems Plan

Local Community Developmen Plans

Physical Security Plan

Real Property Master Plan

Keystone to installation integrated planning

Facilitates the Installation Master

Housing Master Plans

Environmental Management Plans

Greg Brewer, DAIM-MD, (703) 692-9220, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-5789, email: Jerry.C.Zekert @ hq02.usace.army.mil

Real Property Master Plan

- Real Property Master Plan Digest
- Installation Design Guide
- Long-Range Component
- Capital Investment Strategy
- Short-Range Component

Contributing Plans/ Documents

Local Community Plans

RP Master Planning Template

- **IDG**
- **MP Graphics**

Web enabled Products

RPMP Improvements

Accurate Baseline Information
Relevant
Affordable
Flexible

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

INSTALLATION ROLES AND RESPONSIBILITIES

- **Garrison Commanders must:**
  - ✓ **Ensure the installation Master Plan is prepared and maintained.**
  - **Establish a Real Property Planning Board**
  - **Ensure that the RP needs of all installation and tenant units and supported activities are known and reflected in the RPMP.**
  - **Ensure all major repair, minor and major construction and real estate acquisition/disposal activities, regardless of fund source are consistent with and included in the approved RPMP.**
  - ✓ **Maintain an accurate RP inventory**
  - **Ensure the RPMP documents comply with the requirements of AR 210-70 for intergovernmental**

"Master Planning is coordination, cooperation and communicati

Greg Brewer, DAIM-MD, (703) 601-7525, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

Installation Real Property Planning Board

- **The Planning Board assists the Garrison Commander in the orderly management and development of the installation to satisfy all assigned and potential future missions**

Members of the planning board

Chairman: garrison commander

Voting members:

- **Installation staff engineer (secretary)**
- **Chief of each principal or special staff section of the installation**
- **Commander of each major unit or independent activity (including reserve components) occupying real estate on the installation**
- **Region representative**

Non voting members:

- **Supporting division engineer (USACE)**
- **MACOM representative**
- **Representatives of adjoining or local military installations**

Greg Brewer, DAIM-MD, (703) 601-2541, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-7525, email: Jerry.C.Zekert @ hq02.usace.army.mil

PUBLIC WORKS & HOUSING

MISSION

Provide day to day execution, oversight, and management of PW & Engineer functions to include SRM of Real Property Facilities, Energy/Utilities, Master Planning, Engineer Business Operations, Army Family Housing (incl RCI), UPH, MCA, and Fire and Emergency Services.

PEOPLE (& REGIONAL LIAISON)

Don LaRocque - Chief
William Sugg - Bus Ops & Tng (EURO)
Barry Bartley - MCA (NWRO, PARO)
Cecil Goodwin - SRM
George Lloyd - AFH & UPH (SERO, KORO)
Raman Patel - Demolitions
Muthu Kumar - Energy/utilities (SWRO)
Dale Means - F&ES, IDS, EUL
John Peasley - Master Plng/RP (NERO)
Bob McKeever - Natn'l Museum

CURRENT ISSUES/INITIATIVES

- Master Planning – IDS, ASIP & RPLANS cleanup, charrettes, NETCALL: RPMP & IPB, Enhanced Use Leasing.
- SRM – FY03 BUP Funding, Municipal Services Initiatives, Project Prioritization System, Landfills, Demolitions, Bridge/Dam/Railroad inspections.
- AFH – FY03 UFR funding, FY04 AFHO distribution, FY08 goal for quality housing, RCI .
- Energy – ESPC (Richardson & Picatinny), FY04 continuing legislation, Gas Risk Management, Util. Mod., Util. Priv.
- MilCon – IMA project prioritization, Mission/BASOPS proponency, demo criteria, OMA & OPA tails.
- DPW Workshop, DPW Awards, ACP (OMA & MCA const)

INSTALLATION MASTER PLANNING

"The Process is the Product"

Goal: Reestablish Master Planning as a Key & Essential Base Support fun
Method: Enforce the products to reenergize the process
Action plans: Promote, Sustainable Products, Education

Promotion Milestones

- Apr 03 – Biloxi Milcon/Master Planning Workshop. MP Kick off.
- Jun 03 - NETCALL 10. Overarching IMA Philosophy.
- Aug 03 – RPMP Workshop. Adds Real Property & focuses on Requirements in RPLANS
- Sep 03 – Garrison Cdr Conference. Ops Div topic.
- Oct 03 – Master Planning Workshop (USACE Host)
- Dec 03 – PW Workshop.

Sustainable Products

Focus on components –
- Real Property Inventory
- Basic Information Maps
- Army Stationing Installations Plan
- Real Property Planning & Analysis System
- Land Use Plans/Area Themes
- Charrettes
- Future Development Maps
- Installation Design Guides
- Capital Investment Strategy
- Master Plan Digests

Education

- Master Planning Course
- Master Planning Applied Skills

Master Plans

OBJECTIVE: **Installation Master Plans that enable and support sustainability and transformation of Army Installations**

METRICS:

- **Number of Sites requiring Master Plans**
- **Quality of MP Components/site—Major components are RPI, ASIP, RPLANS, Future Development Plans, Land Use Maps (zoning), IDGs, Short Range Plans (5 year plan), Capital Investment Strategies, and Master Plan Digest (executive summary).**

ACCOMPLISHMENTS TO DATE:

- **Apr 2003. Biloxi MILCON/MP Workshop—drew MISSION/BASOPS line**
- **June 2003. Master Planning NETCALL #10.**
- **Aug 2003 Real Property Master Planning Workshop-Roanoke VA.**
- **Sep 2003 RPLANS Requirements update**
- **Oct 2003 Master Planning Workshop (USACE Host)**
- **Autumn 2003 Installations submit MCA priorities and Future Development Plans**

NEXT STEPS:

- **Update Master Planning Instructions**
- **2004 Mini Master Plans/IDGs for AIT/BCT campuses**

PUBLIC WORKS & HOUSING

RPLANS Excesses and Deficits

REGION GROUP	REGION NAME			EXCESS SF (000)	DEFICIT SF (000)
50 States	Northeast			16,275	17,774
50 States	NorthWest			12,162	9,888
50 States	Southeast			11,762	30,381
50 States	Southwest			11,794	25,099
50 States	Pacific (USA)			5,543	4,606
				57,536	87,748
Foreign	Korea			5,182	16,878
Foreign	Pacific (KW & JA)			810	652
Foreign	Europe			21,044	15,561
				27,036	33,091
CONUS	Army Reserve			1,803	7,272
CONUS	National Guard			60,425	25,633
				62,228	32,905
			Grand Total:	146,800	153,744

Notes:

a. Excess = Total assets less requirements where assets exceed requirements.

b. Deficit = Requirements less Permanent/Semipermanent assets where requirements exceed perm/semiperm asse

c. Excess and deficits are calculated at the FCG level then totaled upward.

INSTALLATION MASTER PLANNING OVERVIEW

Criteria/Guidance

Master Planning Instructions

Army Criteria Tracking System

USACE Master Planning Web site
-
http://www.hq.usace.army.mil/isd/librarie/RP/rp.htm

Army Long Range Facility Plan

VISIONs' Newsletter, the periodical
Of Army RP Master Planning

Automated Tools

RPLANS
-RP Requirements

IFS – RP inventory

ASIP

ISR

Geo-spatial Information (GIS)

Supplemental Support

DPW maintains most Installation master planning expertise however other members
of the Garrison Staff can contribute

Team Members at all Command Levels

Army Corps of Engineers is on the team

Others. E.g. Local Planning Agencies, Universities, American Planning Association

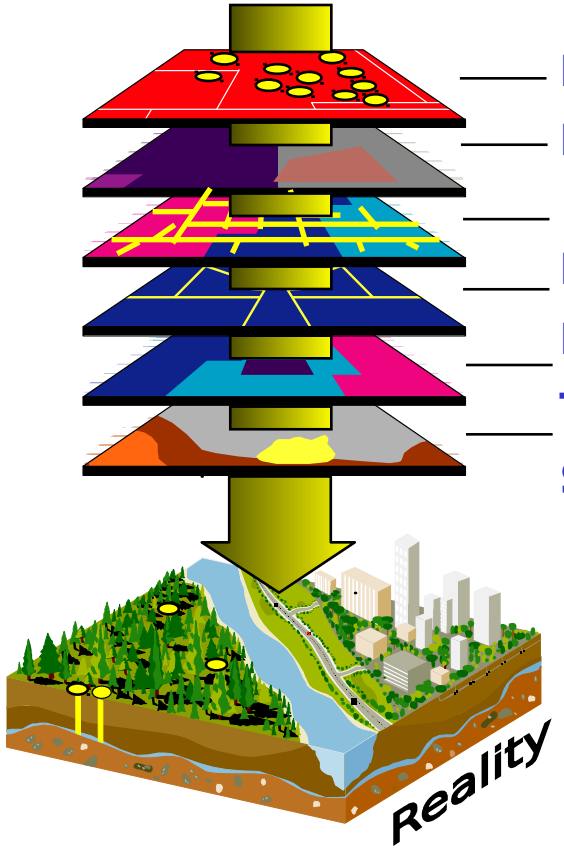
INSTALLATION MASTER PLANNING OVERVIEW

ISD Website http://www.hq.usace.army.mil/ISD/

USACE, Installation Support Division Home Page - Micros
File Edit View Go Favorites Help
Sustainable Design and Development - Microsoft Internet Explorer provided by HQUSACEa Internet Explorer 5 SP1
File Edit View Favorites Tools Help
USACE Home
CEMP-I Home
Bottom of Page
Sustainable Design and Development
"The Hannover Principles: Design for Sustainability" This is the classis statement of principles by William McDonough.
Sustainable Design and Development A Guide for Army Garrison Commanders, presented by the Office of the Assistant Chief of Staff for Installation Management. This is a good overview of the Army SDD program.
Sustainable Design and Development "Charter". This memorandum from the Office of Assisstant Secretary of The Army (Installations and Environment) endorses the principles of Sustainable Design and Development for Army installation planning and infrastructure projects. Implementing memorandums will follow.
DoD Sustainable Planning: A Multi-Service Assessment. This 1999 Study is a detailed assessment of the installation planning process within each of the military services, and the barriers and opportunities for developing more environmentally sustainable installations. Recognized by a special APA award in 2001.
Links
ACSIM Sustainable Design and Development. This site is a compendium of guidance, training, success stories, and links to other "sustainability" sites. It includes the Sustainable Project Rating Tool (SPiRiT)
Engineer Research and Development SDD Comprehensive and expanding.
Applet started
Done
Internet

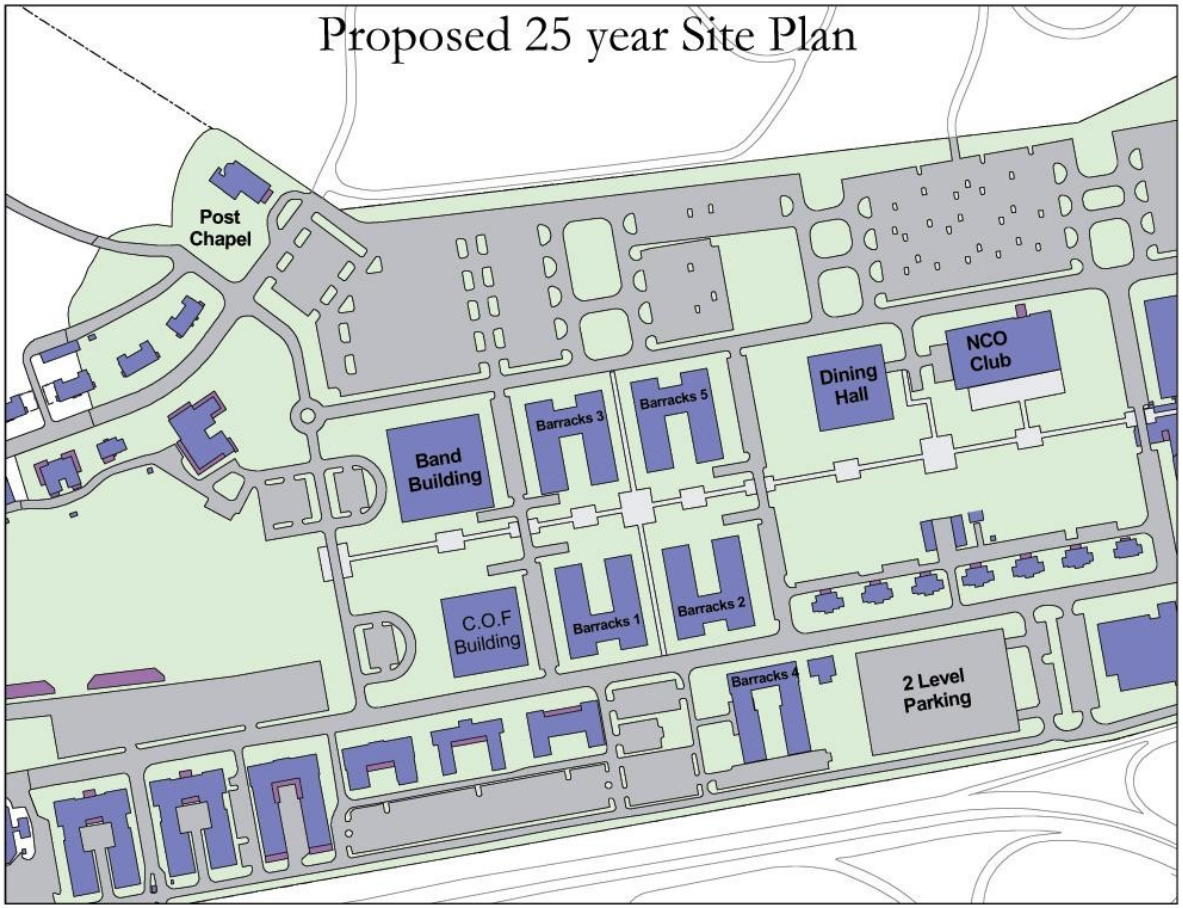
How Do We Bring It Together?

- **GIS Integrates All the Parts…to See the Whole!**



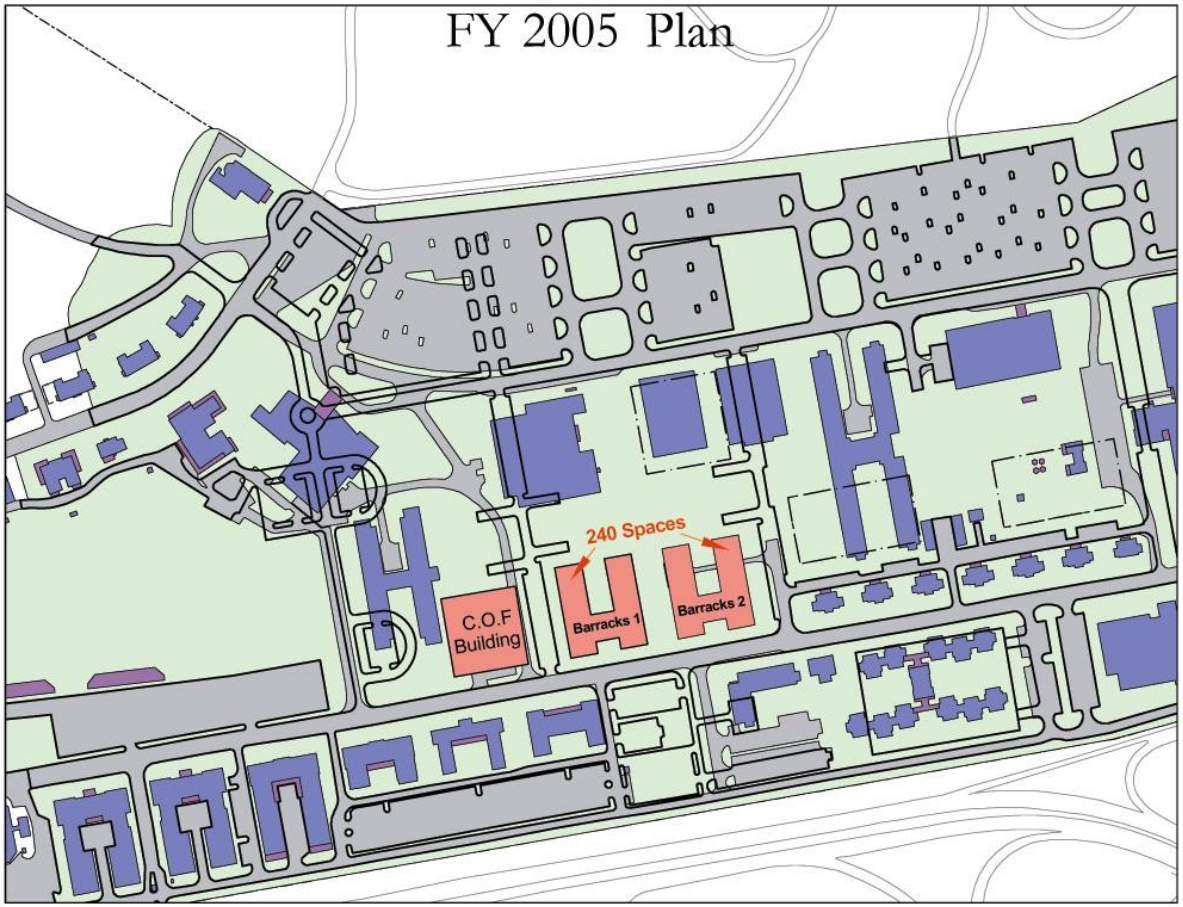
Buildings/Facilities
Natural and Cultural Resources
Roads and Utilities
Boundary Lines
Training Areas
Surrounding Community

Master Planning – Site Plans

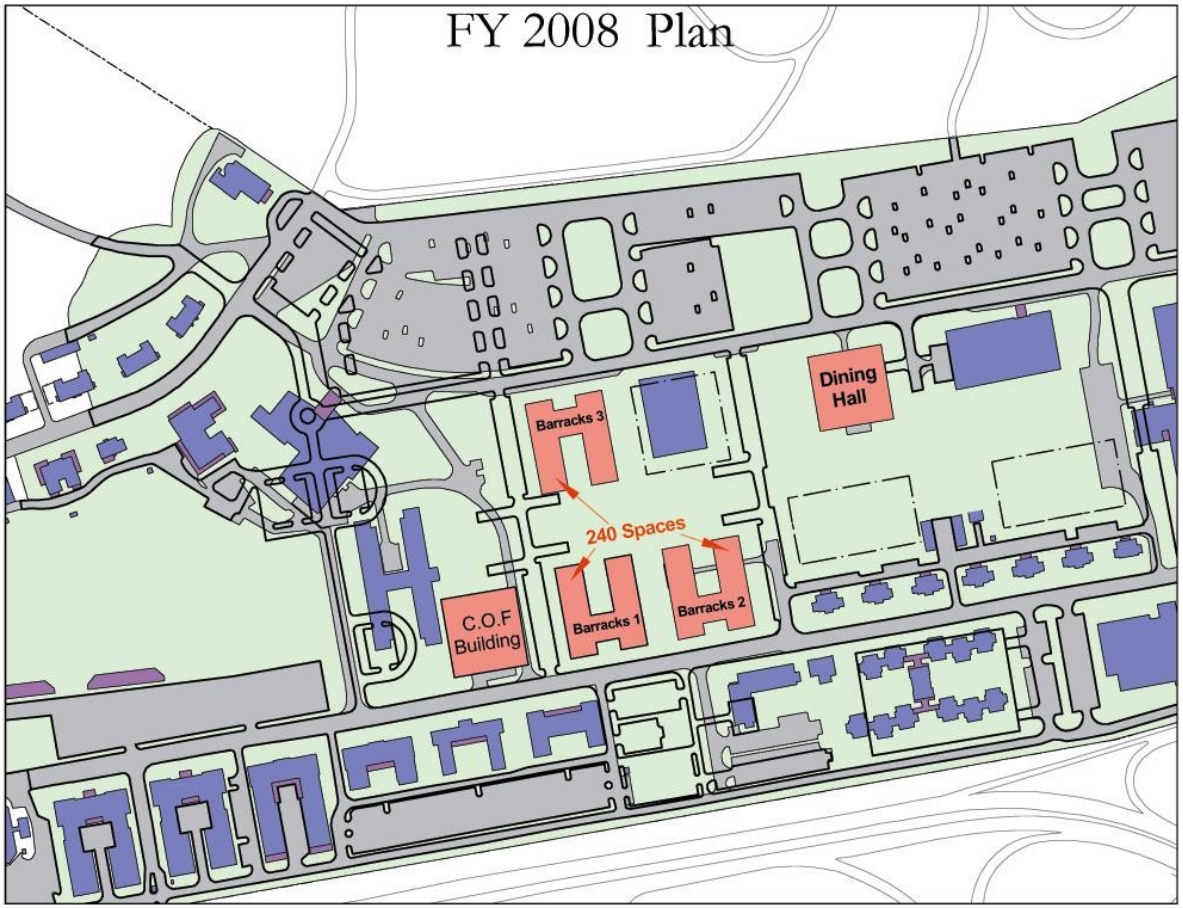


Master Planning Area
Development Plans

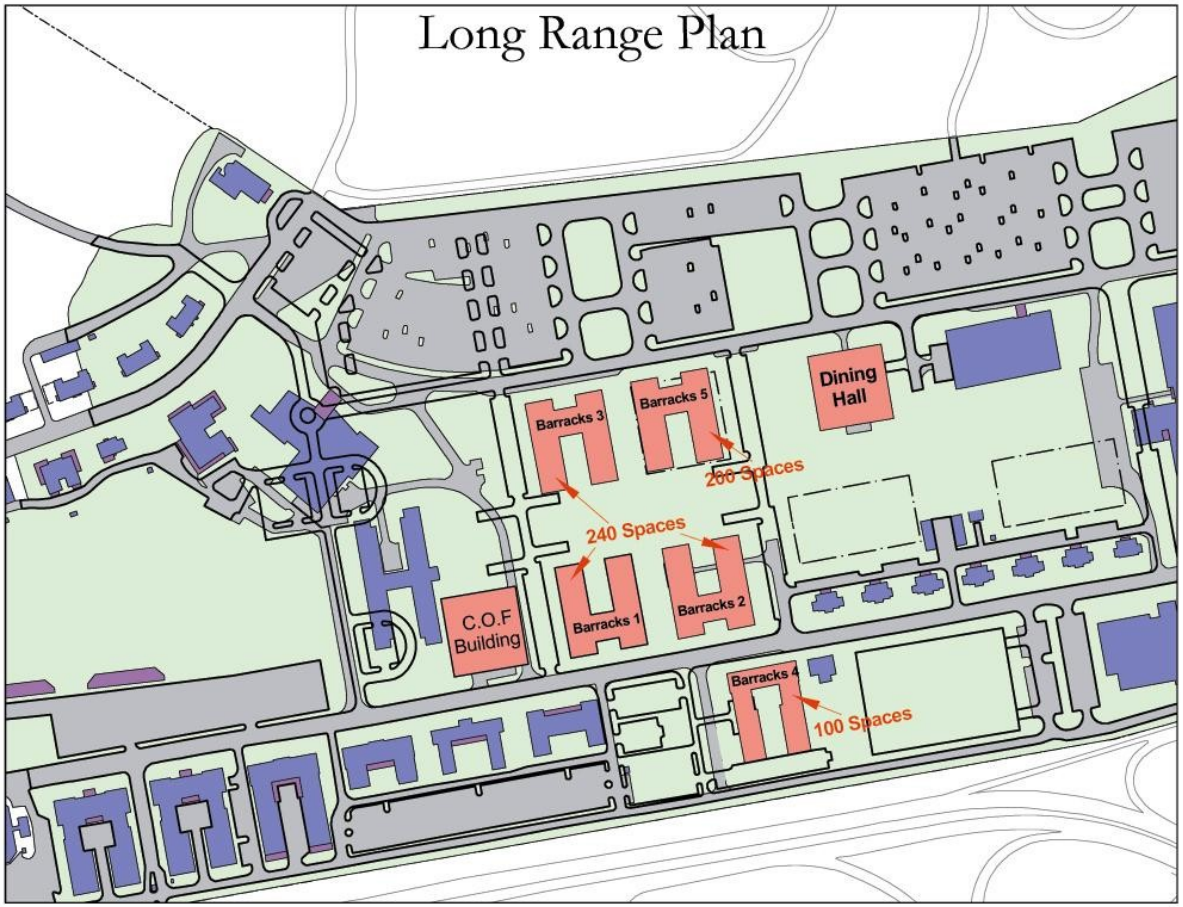
Master Planning Area
Development Plans



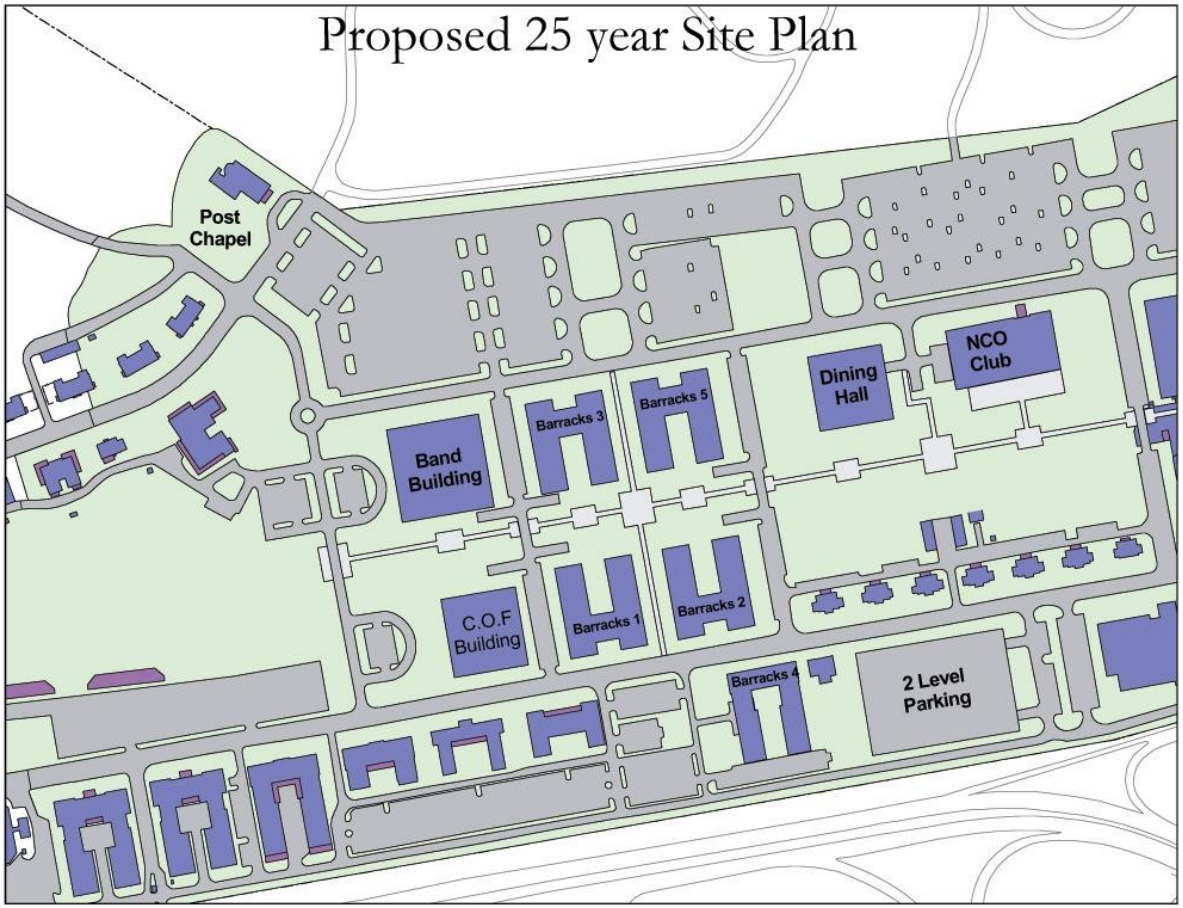
Master Planning – Site Plans



Master Planning – Site Plans



Master Planning – Site Plans



RELATED PLANNING INITIATIVES

- NETCOM 10 Master Planning
- Sustainability
- Homeland Security/Critical Infrastructure Protection/AT FP
- Sustainable Range Program
- Residential Communities Initiative
- Privatization
- Facility Reduction Program
- Comptroller and Financial Officers Act (CFOA)/Government Performance and Results Act (GPRA) Compliance

The plan sets the strategy for implementing the

IMA NETCALL No 10 Master Planning

- Key points

  - Master Planning has surfaced as a critical concern due to it's impacts to the future of installations.
  - Installation Master Planning KEY IMA Goal
  - Identifies Key Components of a successful Planning program
  - Calls for Garrison Commanders commitment to the 'continuous planning process.
  - Calls for Revitalization of the process through better training, better vision, better RPI, better coordination with stakeholders, best business practices, common Stds. and consistent criteria for success.

MASTER PLANNING SUPPORT EFFORT

- **INSTALLATION DESIGN STANDARDS DEVELOPED AVAILABLE ON ACSIM WEBSITE**
- **STANDARD TEMPLATE FOR RP DIGESTS AND AREA DEVELOPMENT PLANS BEING DEVELOPED AND READY FOR FY 04 USE.**
- **MASTER PLANNING INSTRUCTIONS UPDATE**
  - **MPI WORKING GRP (ACSIM/IMA/USACE) JAN 04**
  - **MPI WORKING GRP (ACSIM/IMA/USACE) MAY 04**
  - **INITIAL UPDATE COMPLETION DEC 04**
- **TRAINING**
  - **GARRISON COMMANDERS PRE-COMMAND COURSE QUARTERLY**
  - **MP/RP WORKSHOP (RPLANS/RPI ISSUES) ROANOKE 19-21 AUGUST**
  - **MP WORKSHOP (MP WORKSHOP) SAN DIEGGO 27-31 OCT**
  - **MP WORKSHOP/FEDERAL PLANNING WORKSHOP DC APR 04**
  - **MP COURSE**
    - **APR 04 WASHINGTON DC**
    - **JUL 04 HUNTSVILLE AL**
- **COMMUNICATIONS**
  - VISIONS NEWSLETTER..
  - DPW DIGEST
    - Planning articles focused more on innovative initiatives
  - FEDERAL PLANNING DIVISION/APA NEWSLETTER
    - Sharing of planning initiatives between Federal agencies

INSTALLATION MASTER PLANNING OVERVIEW

SUSTAINABLE DEVELOPMENT

Sustainable Development is meeting the needs of the present without compromising the ability of future generations to meet their own needs

Environmentally sound approach:

Sustainable Design and Development (SDD) is the design, construction, operation, and reuse/removal of the built environment in an environmentally and energy efficient manner.

Cost Effective: Reduced first costs and life-cycle costs; energy savings (renewable energy); reduced emissions; recycled materials

INSTALLATION MASTER PLANNING OVERVIEW

How Installations impact Sustainability?

Building & Transport consume energy

C02 in atmospher

Raw Material s Shortag es

Loss of habitat

Fresh Water shortag es

Storm water runoff

Solid Waste fills our landfills

RESOURCES

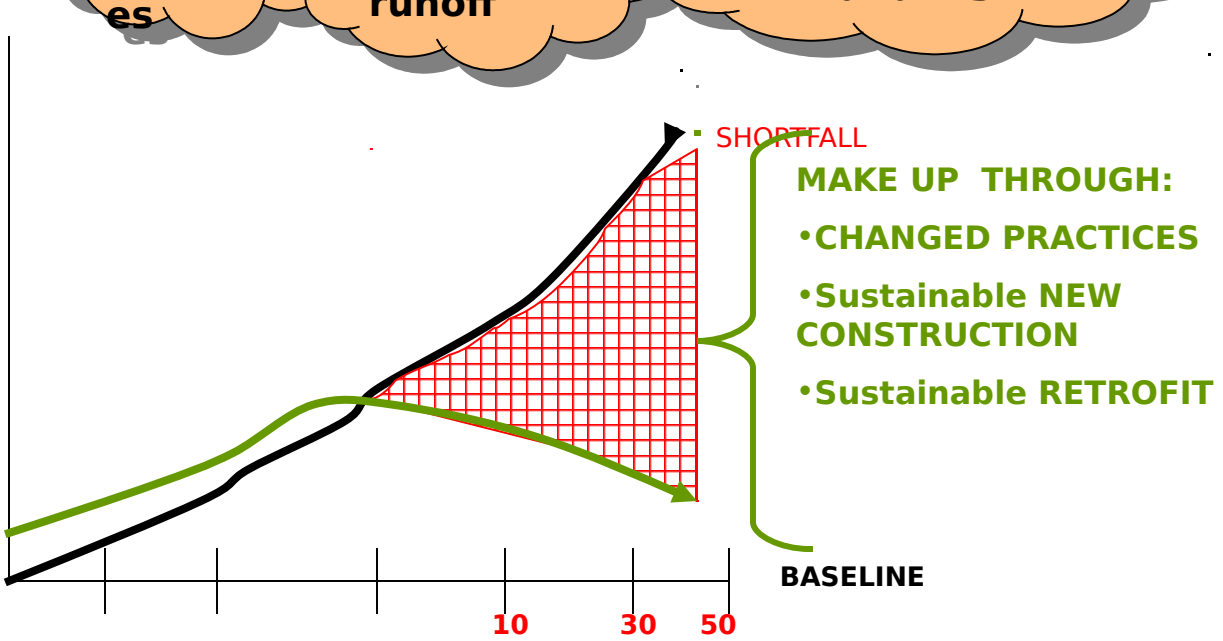
ENERGY

AIR QUALITY

POTABLE WATER

STORM WATER DISCHARGE

LAND



DoD has a 67 year recapitalization baseline for faci

What we build today affects the future Army

INSTALLATION MASTER PLANNING OVERVIEW

What we need to do to become sustainable

- Reduce fossil fuel use
- Reduce air emissions (“green house gas, etc.)
- Reduce impervious surface (roads, parking)
  - Storm water run off
  - Heat reflection/retention
- Less lawn, More trees
- Reduce waste stream

How to get

- More efficient buildings (LEED/SPiRiT)
- Rely more on muscle-powered transportation
  - bikes, walking, running
- Densities that support mass transportation
- In-fill development
- Return reclaimed cantonment to natural environment
  - Close in training
  - Habitat

Integrated Sustainable Planning is the mechanis
to implement sustainability actions into Installa
Operations – Incremental improvements over tim

Sustainable Develop

Meeting the needs of the present without compromising the ability of future generations to meet their own needs

RP planning sustainability focuses on the life cycle of the built environment in an environmentally and energy efficient manner.

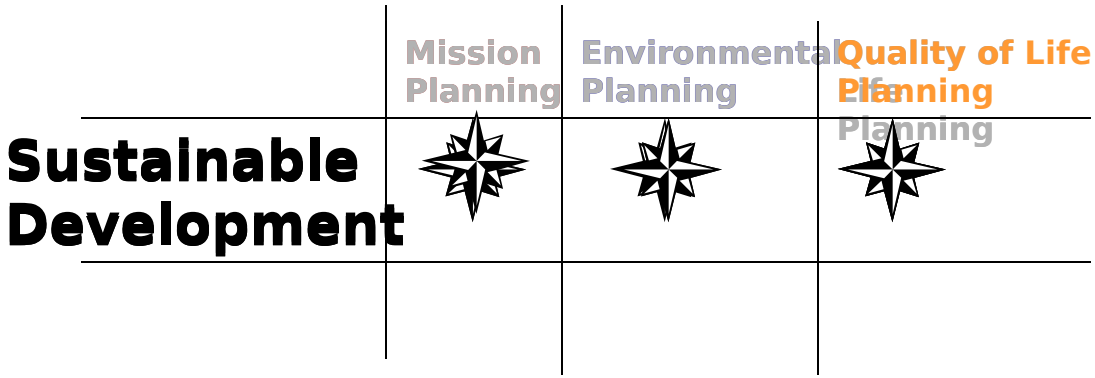
Cost effective solutions that look at BOTH first and life-cycle costs, energy savings, reduced emissions and the use of recycled materials.

Quality of Life Planning

Improve housing opportunities for soldiers and dependents vs creating problems with transportation, run-off, accessibility, increased operation costs

Improving work environment, for installation while meeting energy use limits, accessibility problems

Changing QoL needs for soldiers and their families



Greg Brewer, DAIM-MD, (703) 692-9220, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-5789, email: Jerry.C.Zekert @ hq02.usace.army.mil

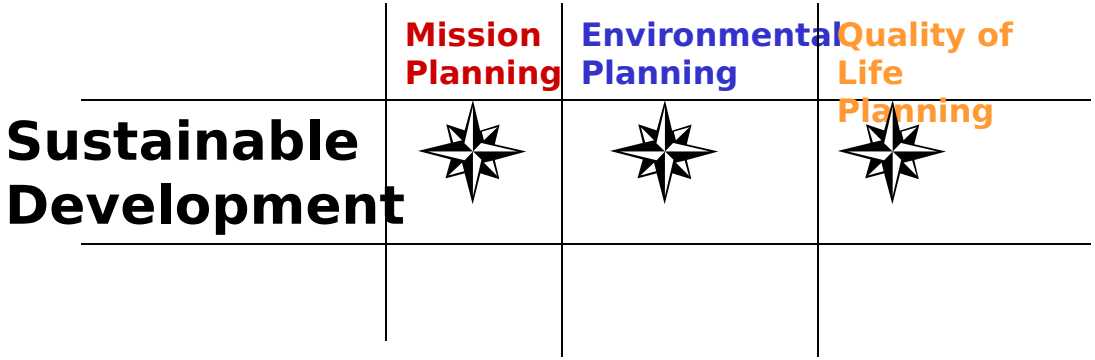
Sustainable Devel

SOLUTIONS

Develop innovative Re-use plans versus building new facilities

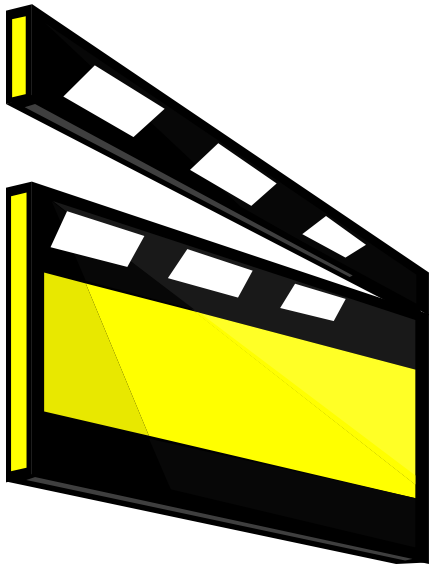
Insist capital improvements include energy efficiency/ and other sustainable designs

Promote the expansion of installation to "natural environment"



Greg Brewer, DAIM-MD, (703) 692-9220, email: Gregory.Brewer @ hqda.army.mil
Jerry.C.Zekert, CEMP-IP, (202) 761-5789, email: Jerry.C.Zekert @ hq02.usace.army.mil

Sustainability Video



MASTER PLANNING CONSIDERATIONS

MISSION ASSURANCE/HOMELAND SECURITY

CRITICAL INFRASTRUCTURE PROTECTION
AT/FP
CONTINUING OPERATIONS
READINESS

How do they link?

SCOPE Lanes In The Road			MISSION ASSURANCE Critical Infrastructure Protection	Force Protection	COOP COG	Readiness
Distinctions	Focus		Defense Infrastructure that supports operating forces*	Personnel, Facilities, Equipment	Senior Leadership	Military Units & Equip.
	Strategy Foundation		Objective Based	Threat based	Objective Based	Resourced Based
	Objectives	Domestic Interest	Assure DoD Capabilities	Protect Forces In-Garrison and In-Transit	Maintain continuity of Gov. Operations	Maintain Military Units at Lvls that Meet War Pln Obj.
			Assure Defense Industrial Base Capabilities			
		Foreign Interest	Assure Foreign Defense Infrastructure Capabilities	Protect Forces In-Garrison and In-Transit		Military Units & equip.
			Assure Foreign Public Infrastructure Capabilities			
	Tasks		Identify Infrastructure Interdepencies & Single Points of Failure Establish Priorities Develop Assessment Process Develop MOEs	Protect Specific Forces at Specific Locations (installations/Facilities) Deploy Specialized Equipment	Protect Political-Military Leadership Provide resources to conduct critical	Monitor Mil. Unit & Equip Readiness

MASTER PLANNING CONSIDERATIONS

CRITICAL INFRASTUCTURE PROTECTION

- PDD 63 – Critical Infrastructure Protection (May 1998)
  - Protect DoD portion of Federal Government Critical Infrastructure
- E.O. 13010 – Critical Infrastructure Protection in the Information Age (Oct. 2001)
  - Ensure protection of information systems for critical infrastructure, including emergency preparedness communications, and the physical assets that support such systems
  - Establishes the President's CIP Board and Supporting Structure
- E.O. 13228 – Office of Homeland Security (Oct. 2001)
  - Detect, prepare for, prevent, protect against, respond to, and recover from terrorist attacks within the United States
- DoD CIP Plan (1998)
  - Approved by DSD in 1998 for protection of DoD portion of the Federal Government Critical Infrastructure
  - Identified the CIP DoD Organization Structure
- DoDD 5160.54 – Critical Asset Assurance Program (1998)
  - Established DoD's initial critical asset and infrastructure protection program

CIP Public Works Sector's Functions

- Provide Facilities and Utilities
- Maintain Real Property Utility Systems
- Maintain Real Property, Buildings-Land-Facilities
- Provide Environmental Management
- Provide Emergency Services

CIP Infrastructure Process

- Infrastructure analysis and assessment
- Remediation
- Indication and warning
- Mitigation
- Response
- Reconstitution

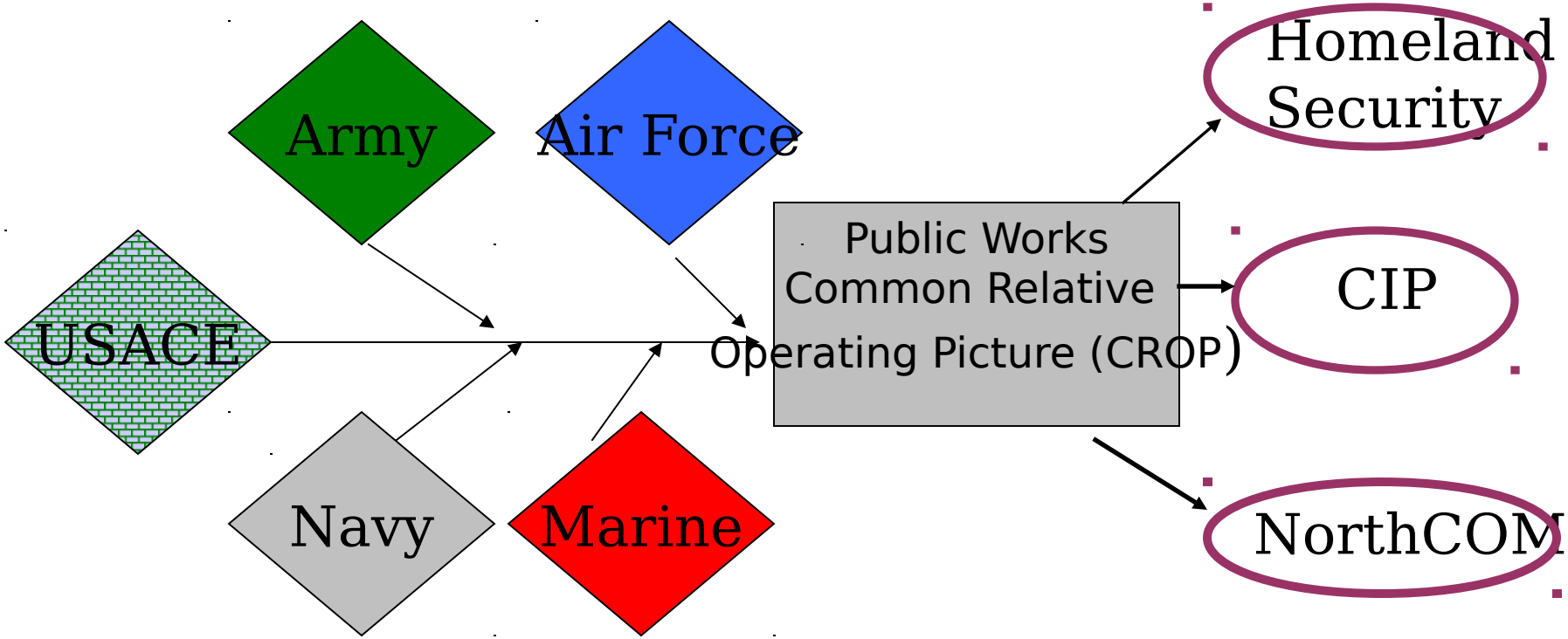
Infrastructure Analysis and Assessment Methodology

- Identify requirements through Service's existing planning and analysis tools
- Maintain accurate inventory of assets
- Identify assets, criticalities and shortfalls
- Provide consistent methodology for horizontal and vertical integration

Infrastructure analysis & assessment | **Remediation** | **Indication and warning** | **Mitigation** | **Response** | **Reconstitution**

Infrastructure Analysis and Assessment Methodology

- ✓ **Provide Consistent Reporting**



Remediation

Deliberate preventive measures undertaken to improve reliability, availability and survivability of critical assets and infrastructure

- Changes in business practices
- Redundancy in systems
- Asset hardening

Implementation strategy

- Integrate into existing Installation Management practices
- Protect the most critical- Mission essential

Critical Infrastructure

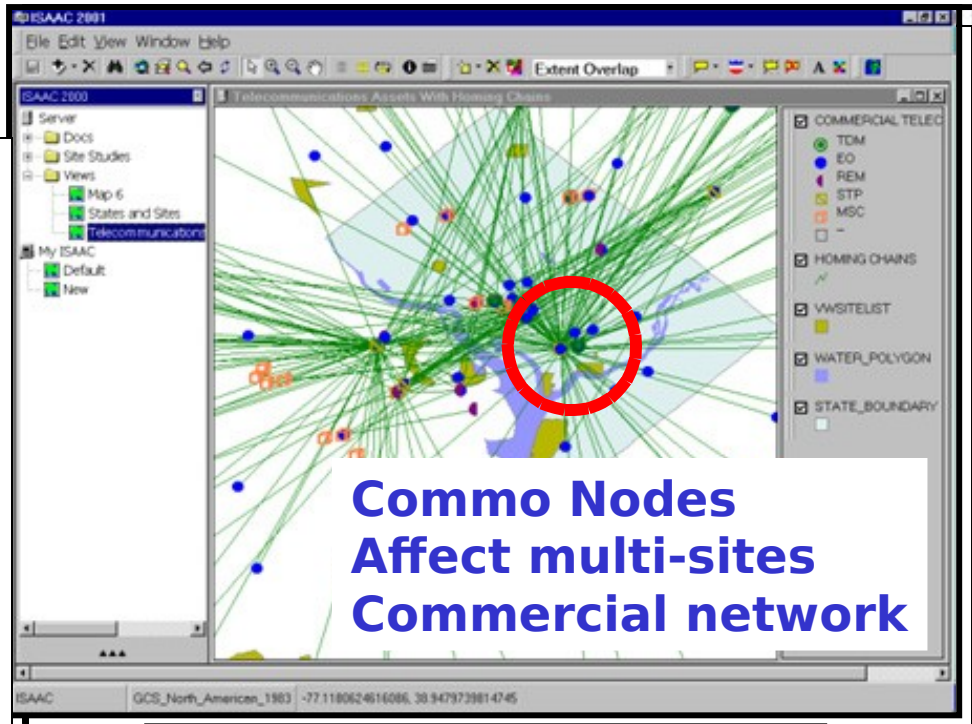
Infrastructure Assurance Recommendations

Consider Infrastructure Assurance concerns in utility/transportation planning efforts

When out-sourcing ensure Infrastructure Assurance Concerns are addressed

Make sure Utility out-sourcing includes provision to provide system maps

Improve regional planning cooperation



Telecommunications Networks

Critical Infrastructure Protection

- ✓Must understand commercial/ off post Networks
- ✓Non-structural solutions can be developed

INSTALLATION MASTER PLANNING OVERVIEW

MASTER PLANNING UTILITY ASSESSMENTS

ENSURE UTILITY PLANNING CONSIDERS CIP ASPECTS

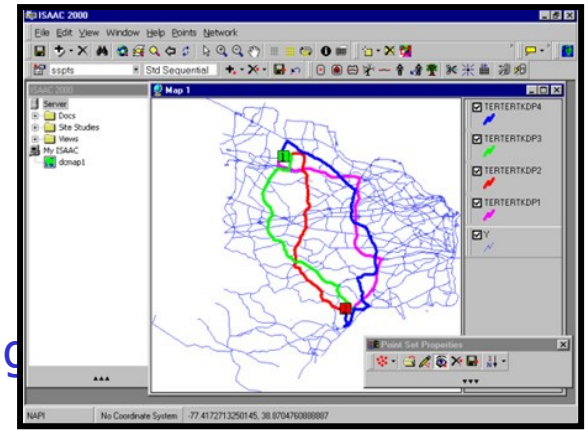
Need to consider both on/off post Assets.

Many vulnerability studies available.

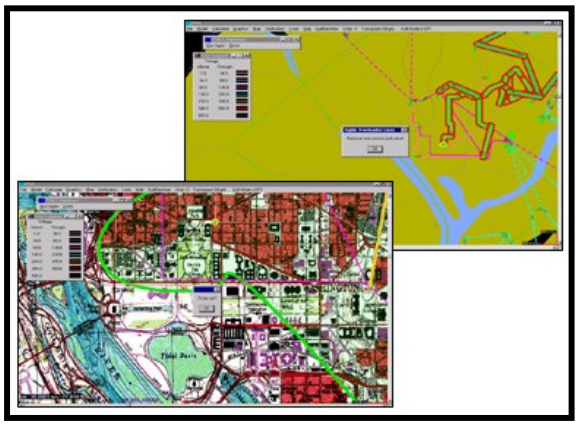
Joint Program Office for Special Technolog

Jeff McManus 540-653-1126

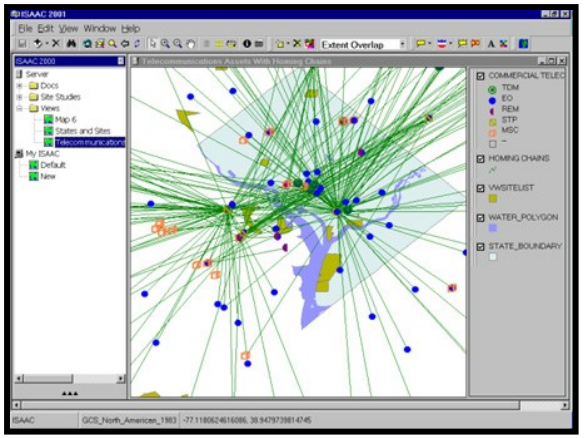
Email: mcmanusjd@nswc.navy.mil



Road & Rail Networks



Electric Power Networks



Telecommunications Networks

MASTER PLANNING OVERVIEW WRAP-UP

Provided an overview of the Real Property Planning Process and it's Part in Installation Management

Identified Roles and Responsibilities

Identified IMA Goals and Objectives

Tools

Major Army Initiatives – MASTER PLANNING BIG ISSUE

INSTALLATION MASTER PLANNING OVERVIEW

Albert Einstein wrote, "The world will not evolve past its current state of crisis by using the same thinking that created the situation."

"It involves the design of things that celebrate interdependence with other living systems. From an industrial-design perspective, it means products that work within cradle-to-cradle life cycles rather than cradle-to-grave ones."
William McDonough

"It is time for plans [designs] that are creative, abundant, prosperous, and intelligent from the start."
William McDonough Revised by a Visionary Planner

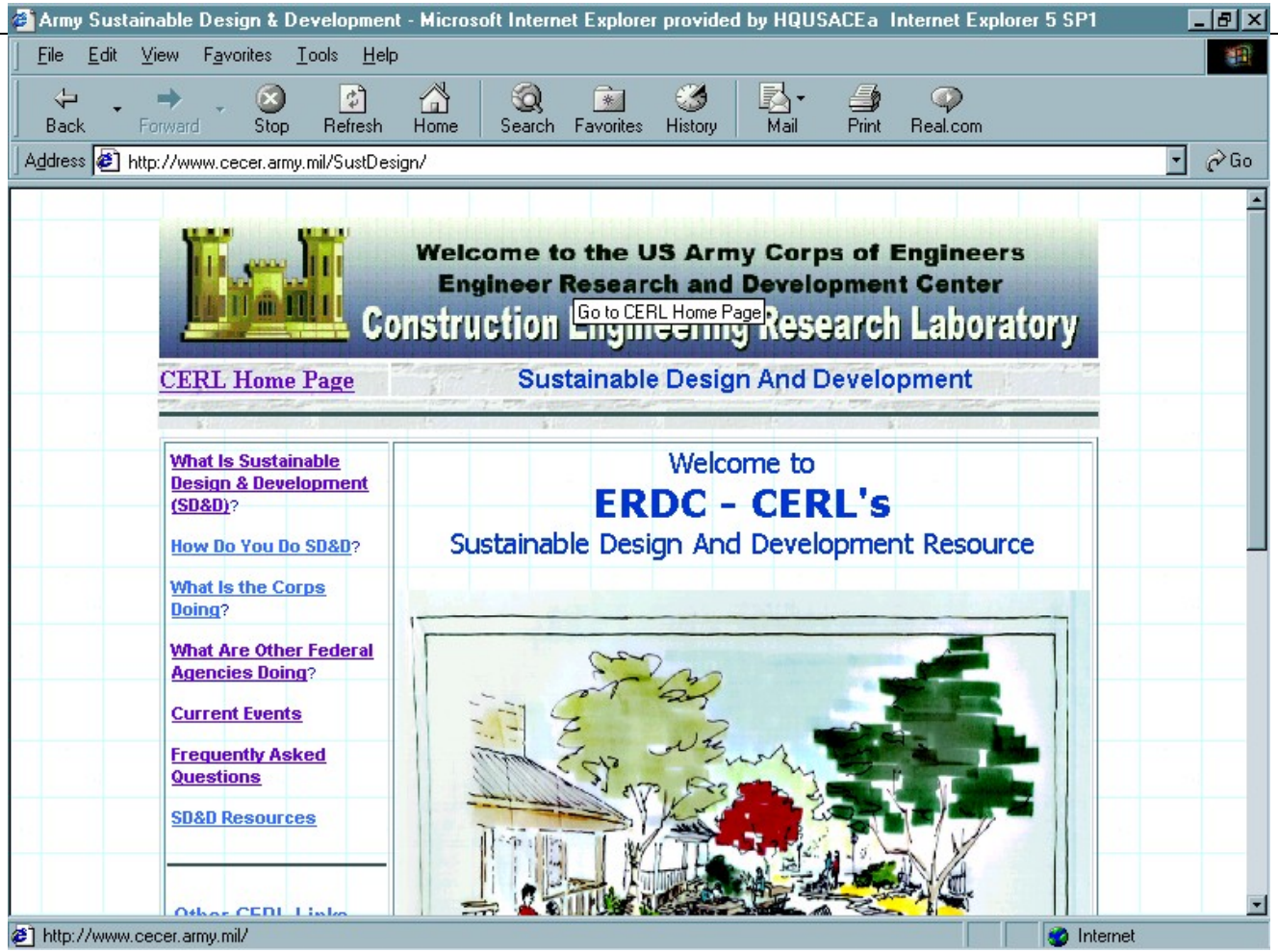
Points of Contact

Greg Brewer
Assistant Chief of Staff for Installation Management
DAIM-MD
(703) 601-2541
Greg.Brewer@HQDA.ARMY.MIL

Jerry Zekert
HQ, U.S. Army Corps of Engineers
CEMP-IP
(202) 761-7525
Jerry.C.Zekert@USACE.ARMY.MIL

Tracy Porter Wilson
HQ, U.S. Army Corps of Engineers
CEMP-IP
(202) 761-7526
Tracy.P.Wilson@USACE.ARMY.MIL

INSTALLATION MASTER PLANNING OVERVIEW
CERL SDD Web

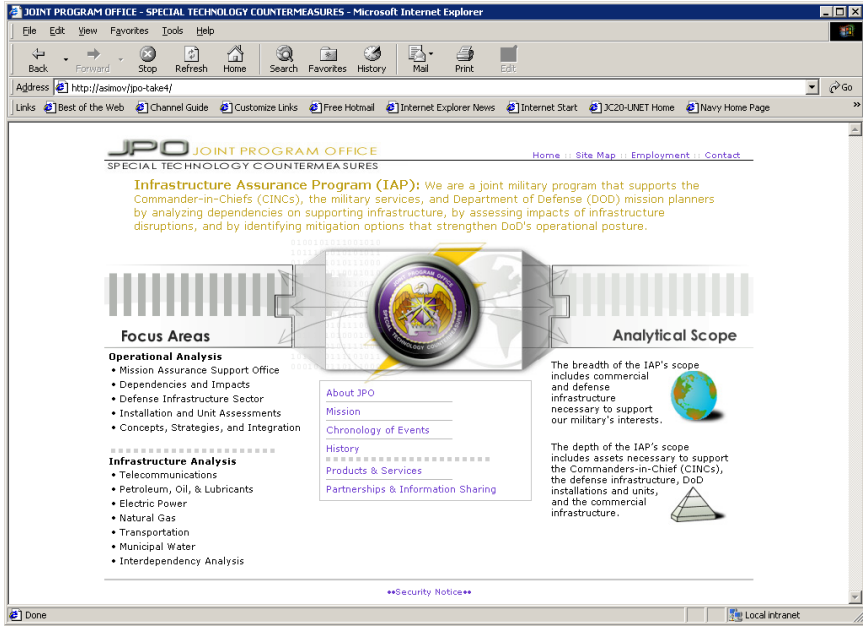

Army Sustainable Design & Development - Microsoft Internet Explorer provided by HQUSACEa Internet Explorer 5 SP1
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Real.com
Address http://www.cecer.army.mil/SustDesign/
Go
Welcome to the US Army Corps of Engineers
Engineer Research and Development Center
Go to CERL Home Page
Construction Engineering Research Laboratory
CERL Home Page
Sustainable Design And Development
What Is Sustainable Design & Development (SD&D)?
How Do You Do SD&D?
What Is the Corps Doing?
What Are Other Federal Agencies Doing?
Current Events
Frequently Asked Questions
SD&D Resources
Welcome to
ERDC - CERL's
Sustainable Design And Development Resource
http://www.cecer.army.mil/
Internet

INSTALLATION MASTER PLANNING OVERVIEW
GSA SDD Web

http://policyworks.gov/org/main/mp/gsa/home.htm

INSTALLATION MASTER PLANNING OVERVIEW

SOURCES FOR ASSISTANCE


JOINT PROGRAM OFFICE - SPECIAL TECHNOLOGY COUNTERMEASURES - Microsoft Internet Explorer
JPO JOINT PROGRAM OFFICE
SPECIAL TECHNOLOGY COUNTERMEASURES
Home :: Site Map :: Employment :: Contact
Infrastructure Assurance Program (IAP): We are a joint military program that supports the Commander-in-Chiefs (CINCs), the military services, and Department of Defense (DOD) mission planners by analyzing dependencies on supporting infrastructure, by assessing impacts of infrastructure disruptions, and by identifying mitigation options that strengthen DoD's operational posture.
Focus Areas
Operational Analysis
• Mission Assurance Support Office
• Dependencies and Impacts
• Defense Infrastructure Sector
• Installation and Unit Assessments
• Concepts, Strategies, and Integration
Infrastructure Analysis
• Telecommunications
• Petroleum, Oil, & Lubricants
• Electric Power
• Natural Gas
• Transportation
• Municipal Water
• Interdependency Analysis
About JPO
Mission
Chronology of Events
History
Products & Services
Partnerships & Information Sharing
Analytical Scope
The breadth of the IAP's scope includes commercial and defense infrastructure necessary to support our military's interests.
The depth of the IAP's scope includes assets necessary to support the Commanders-in-Chief (CINCs), the defense infrastructure, DoD installations and units, and the commercial infrastructure.
••Security Notice••
Done
Local intranet

- SOURCES FOR ASSISTANCE

Joint Programs Office for Special Technologies & Countermeasures (Vulnerability Studies)

Jeff McManus 540-653-1355
McManusJD@nswc.navy.mil
McManusJD@nswcdd.navy.smil.mil

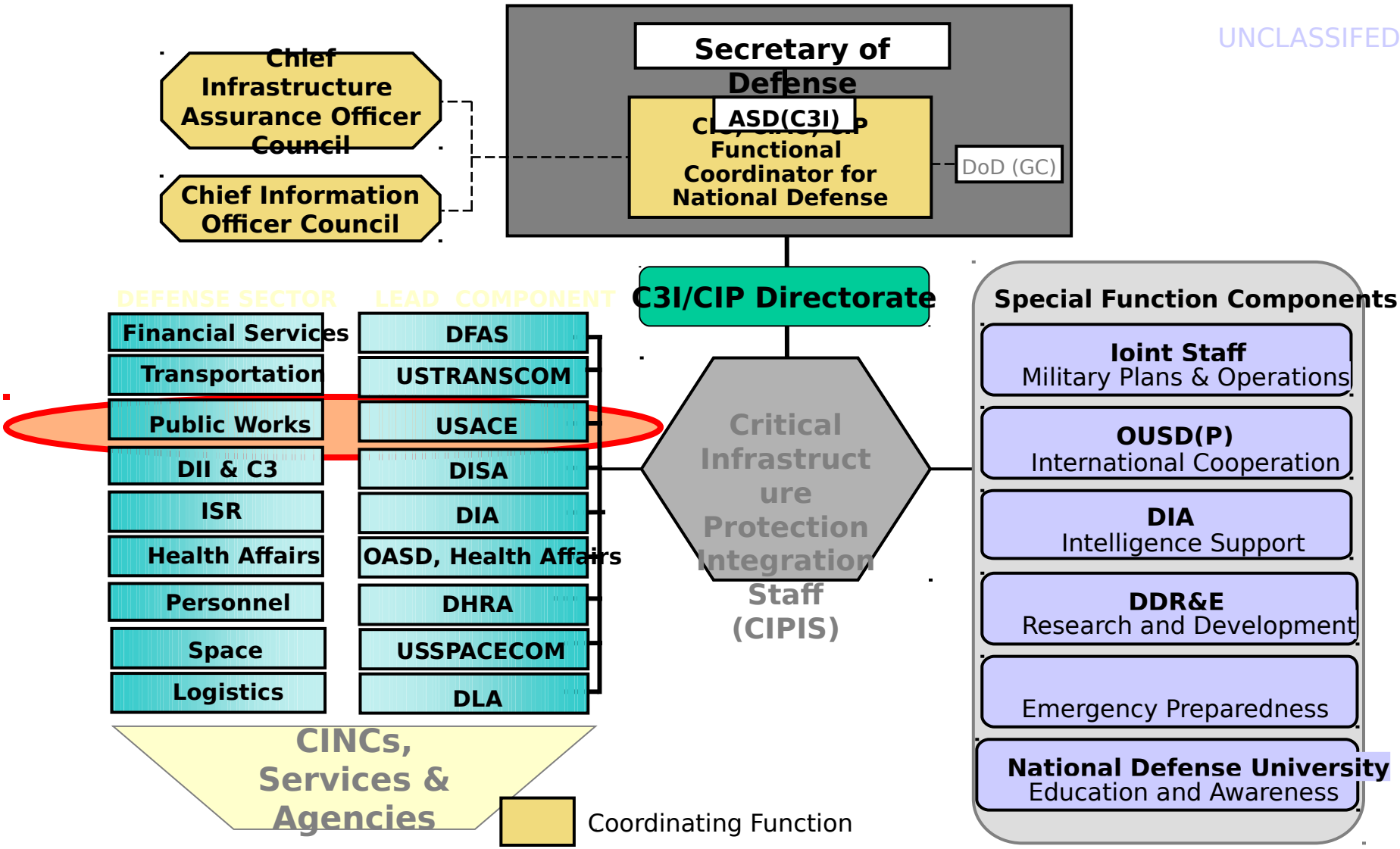
USACE Protective Design Center (Omaha District)
Force Protection/AT Design Advise

USACE Electronic Security Center (ESC) Huntsville Engineering Center

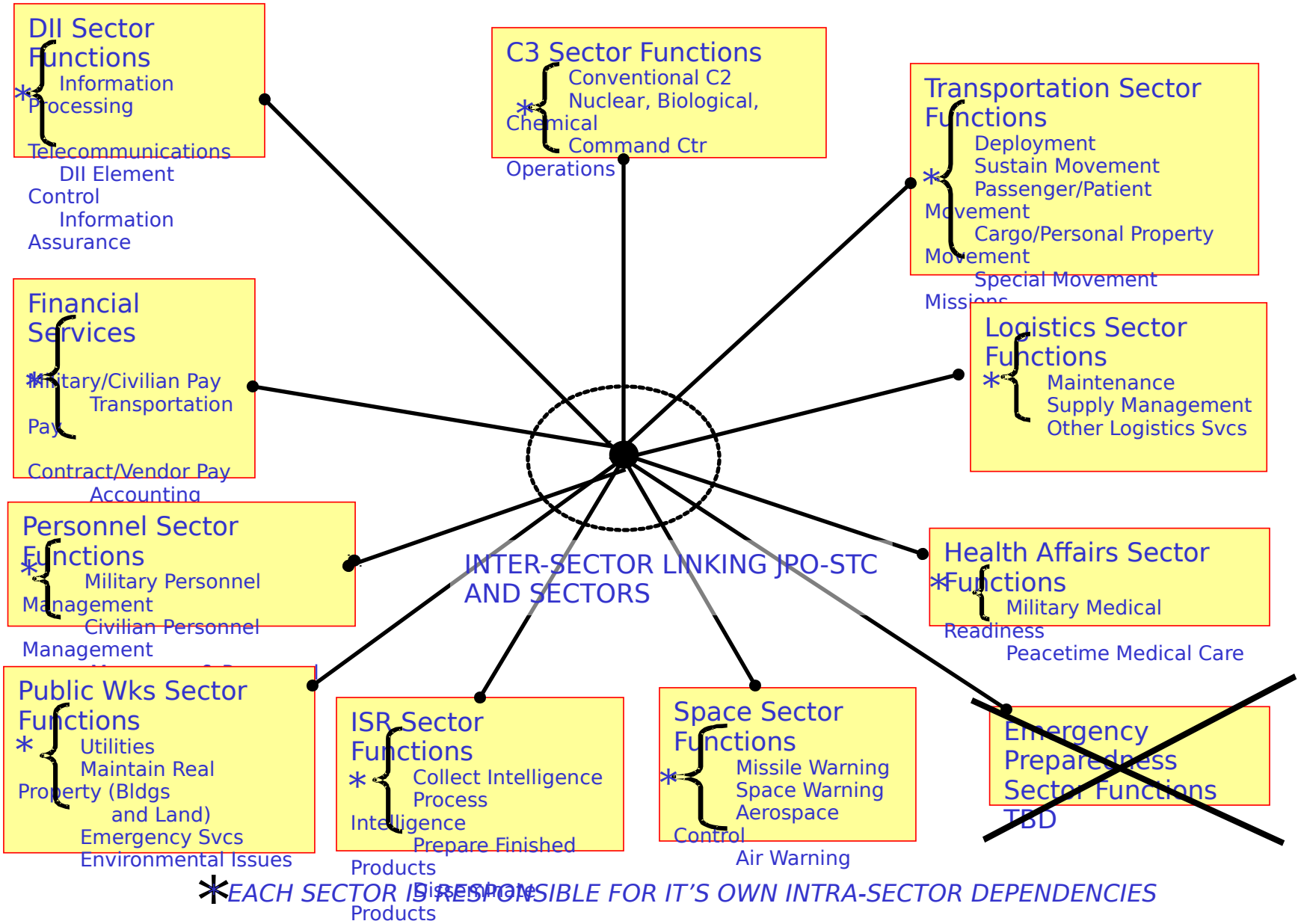
USACE Engineering R&D Center

POC IS Joe Hartman 202-761-0301
Joseph.P.Hartman@HQ02.USACE.ARMY.MIL

CIP Organization



CIP Sector Relationships



*EACH SECTOR IS RESPONSIBLE FOR IT'S OWN INTRA-SECTOR DEPENDENCIES